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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	R. Kevin Ray
Art Unit	
Examiner Name	
Attorney Docket Number	578340326172

Sheet 1 of 4

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JPR		US- 2,198,998	04/30/1940	O.E. Honsberger	
		US- 2,531,650	11/28/1950	H.R. Stagner	
		US- 2,719,704	10/04/1955	L.V. Anderson et al.	
		US- 2,724,583	11/22/1955	T. Targosh et al.	
		US- 2,789,010	04/16/1957	J.A. Dean	
		US- 2,800,313	07/23/1957	T. Targosh et al.	
		US- 2,953,160	09/20/1960	J.H. Brazier	
		US- 3,005,468	10/24/1961	R.L. Erwin et al.	
		US- 3,042,314	07/03/1962	G.B. Packard et al.	
		US- 3,186,643	06/01/1965	P.F. George et al.	
		US- 3,226,039	12/28/1965	T.B. Tyler	
		US- 3,282,227	11/01/1966	A. Nielsen	
		US- 3,291,395	12/13/1966	B.C. Sharp	
		US- 3,338,173	08/29/1967	R.M. Gunzel, Jr., et al.	
		US- 3,349,788	10/31/1967	H. Chester	
		US- 3,447,753	06/03/1969	R.R. Proctor et al.	
		US- 3,491,948	01/27/1970	R.D. Alexander	
		US- 3,613,997	10/19/1971	Richard G. Thompson	
JPR		US- 3,770,205	11/06/1973	Proctor et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
JPR		WO91/16138	10/31/1991	Horvath et al.		

Examiner Signature	<i>JPR</i>	Date Considered	10/31/06
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney Docket Number	578340326172

Sheet 2 of 4

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DPK		US- 3,776,468	12/04/1973	Davenport	
		US- 3,863,843	02/04/1975	Hechler, IV	
		US- 3,964,689	06/22/1976	Horvath, Jr.	
		US- 4,315,600	02/16/1982	Rhoades et al.	
		US- 4,527,740	07/09/1985	Gunzel, Jr. et al.	
		US- 4,726,526	02/23/1988	Ostergaard	
		US- 4,760,962	08/02/1988	Wheeler	
		US- 4,886,212	12/12/1989	Proctor et al.	
		US- 4,901,923	02/20/1990	McRoskey et al.	
		US- 4,913,345	04/03/1990	Setter	
		US- 5,209,365	05/11/1993	Wood	
		US- 5,259,557	11/09/1993	Spriggs et al.	
		US- 5,344,074	09/06/1994	Spriggs et al.	
		US- 5,356,036	10/18/1994	Garnett	
		US- 5,518,022	05/21/1996	Ziehm	
		US- 5,544,810	08/13/1996	Horvath, Jr. et al.	
		US- 5,626,291	05/06/1997	Flinn et al.	
		US- 5,676,173	10/14/1997	Conrad et al.	
DPK		US- 5,913,327	06/22/1999	Zhadanov et al.	

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DPK

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10/31/06

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				Filing Date	
				First Named Inventor	R. Kevin Ray
				Art Unit	
				Examiner Name	
				Attorney Docket Number	578340326172

U. S. PATENT DOCUMENTS					
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JPR		US- 5,915,592	06/29/1999	Mehus et al.	
		US- 5,960,887	10/05/1999	Crabtree	
		US- 6,092,998	07/25/2000	Dexter et al.	
		US- 6,164,496	12/26/2000	Gregory	
		US- 6,182,911 B1	02/06/2001	Hanks et al.	
		US- 6,508,386 B2	01/21/2003	Magri	
		US- 6,543,705 B1	04/08/2003	Liao	
		US- 6,571,824 B2	06/03/2003	Jones et al.	
		US- 6,572,032 B2	06/03/2003	Chih	
		US- 6,588,681 B2	07/08/2003	Rothrum et al.	
		US- 6,612,476 B2	09/02/2003	Smolinski	
		US- 6,634,376 B2	10/21/2003	Haas	
		US- Re 25,037	09/12/1961	J.H. Brazier	
		US- Re 29,405	09/20/1977	Gunzel, Jr. et al.	
		US- D303,139	08/29/1989	Morgan	
JPR		US- D467,692 S	12/24/2002	Morgan et al.	
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		US-			
		US-			

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Examiner Signature	<i>JPR</i>	Date Considered	10/31/06
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Application Number

Filing Date

First Named Inventor

R. Kevin Ray

Art Unit

Examiner Name

Sheet

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of

4

Attorney Docket Number

578340326172

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**Examiner
Signature**

Date
Considered

10/31/06

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PTO/SB/08A (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/749,415
Filing Date	12/31/2003
First Named Inventor	R. Kevin Ray
Art Unit	
Examiner Name	
Attorney Docket Number	578340326172

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	10/31/06
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PTO/SB/08A (07-05)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known

Application Number	10/749,415
Filing Date	December 31, 2003
First Named Inventor	R. Kevin Ray
Art Unit	1746
Examiner Name	
Attorney Docket Number	578340326172

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
DPR		US- D366,926	02/06/1996	McGinnity, et al.	
		US- D347,261	05/24/1994	Berfield, et al.	
		US- D347,047	05/17/1994	Wood, Noel S.D.	
		US- D312,297	11/20/1990	Ballu, Patrick J.	
		US- D297,273	08/16/1988	Proctor, et al.	
		US- 6,892,957	05/17/2005	Bennett, et al.	
		US- 2004/0124287	07/01/2004	Planetto, et al.	
		US- 6,308,899	10/30/2001	Crofford, Joe	
DPR		US- 5,695,121	12/09/1997	Stillions, et al.	
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PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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(37 CFR 1.98(b))

Atty Docket No.: 578340-326172

Application No.: 10/749,415

Applicant: R. Kevin Ray

Filed: December 31, 2003

Group: 1746

U.S. PATENT DOCUMENTS

Exam. Init.		Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date
JPR	AA	US-D421,204	02-2000	McBride, John C.	D8/2		
	AB	US-6,135,361	10-2000	Grassi, Aron J.	239/172		
	AC	US-5,775,591	07-1998	Fauci, Dino A.	239/304		
	AD	US-5,301,877	04-1994	Madison, Charles H.	239/154		
	AE	US-4,787,560	11-1998	DeYoreo, Sal G.	239/373		
	AF	US-4,192,464	03-1980	Chow, Ho	239/373		
	AG	US-3,993,245	11-1976	Smith, Colin P.	239/8		
JPR	AH	US-3,135,432	06-1964	Matthewson Edwin H. et al.	222/183		
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
	AO						
	AP						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Exam. Init.		Document Number	Publication Date of the Grant	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Relevant pages, Place of Publication***)**

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[Signature]

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